Title (en)
METHOD, DEVICE AND SYSTEM FOR PROTECTING MULTICAST TRAFFIC

Title (de)
VERFAHREN, EINRICHTUNG UND SYSTEM ZUM SCHUTZ VON MULTICAST-VERKEHR

Title (fr)
PROCÉDÉ, DISPOSITIF ET SYSTÈME POUR PROTÉGER UN TRAFIC À DIFFUSION MULTIPLE

Publication
EP 2166711 A4 20100616 (EN)

Application
EP 08757619 A 20080605

Priority
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• CN 200710108440 A 20070614

Abstract (en)
[origin: EP2166711A1] A method, a device, and a system for protecting a multicast traffic in the field of mobile communication are provided. A backup path is set up for a path that needs to be protected. Route information of the backup path is pre-stored in an entry of a route table. When a failure of the path is detected, a traffic is switched from the failed path to the backup path. By setting up a unicast tunnel or a multicast tunnel as the backup path for a working path in the multicast in advance, and by adding a backup path port as an ingress port of an entry of the route table, it realizes to switch a data flow to the backup path at a forwarding layer without being detected by a user when the working path failure occurs, realizes a fast convergence, and does not influence a user experience, thereby effectively reducing the influence on the user experience when the failed path is restored in a point-to-multipoint service.

IPC 8 full level
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CPC (source: EP US)
H04L 12/1877 (2013.01 - EP US); H04L 45/00 (2013.01 - US); H04L 45/16 (2013.01 - EP US); H04L 45/22 (2013.01 - EP US); H04L 45/28 (2013.01 - EP US); H04L 45/50 (2013.01 - EP US)

Citation (search report)
• [X] US 2007019646 A1 20070125 - BRYANT STEWART F [GB], et al
• [XA] US 2005111351 A1 20050526 - SHEN NAIMING [US]
• See references of WO 2008151553A1

Cited by
CN105743760A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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